

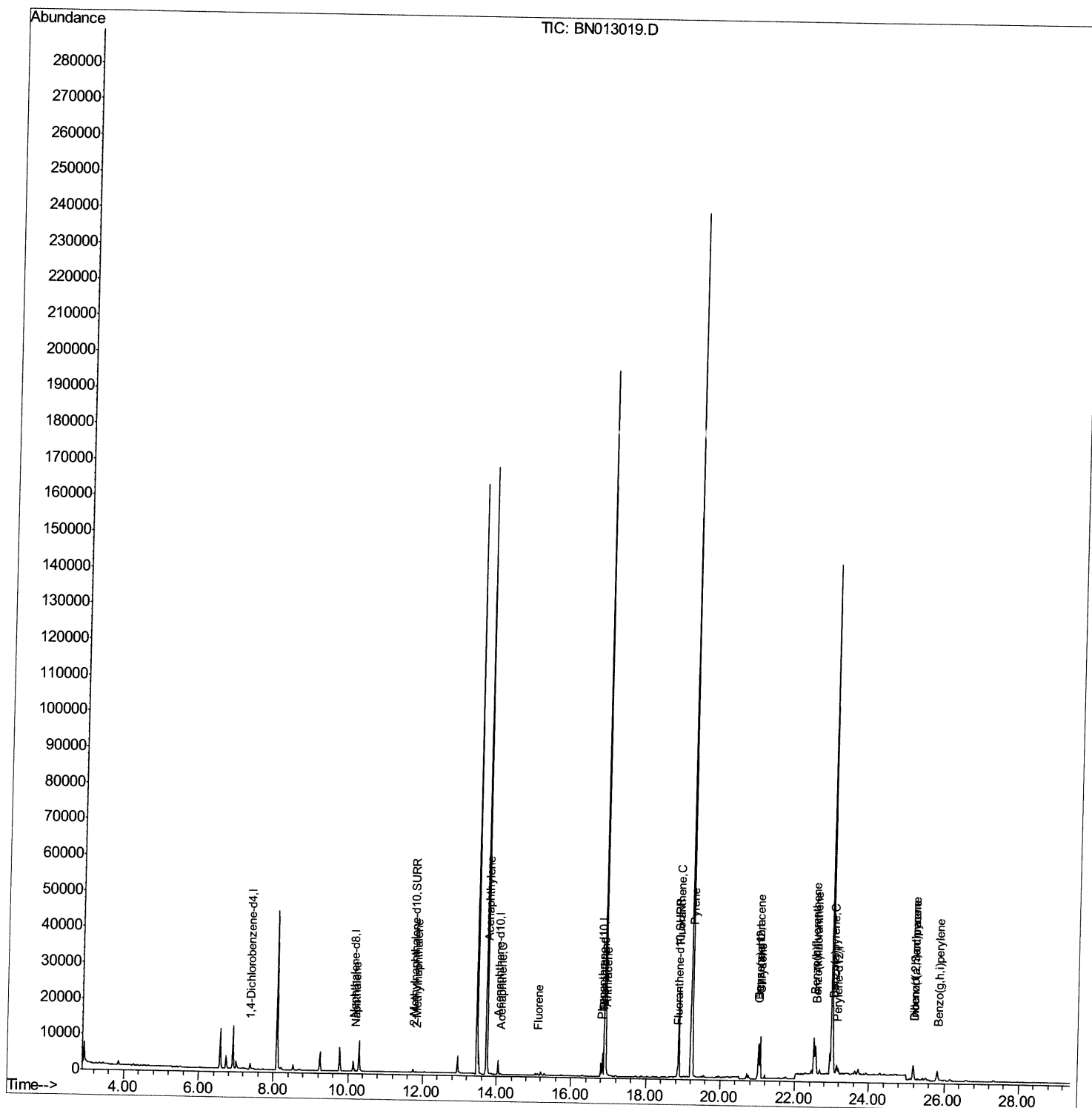
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
Data File : BN013019.D  
Acq On : 09 Dec 2020 19:32  
Operator : CG/JU  
Sample : L4941-04  
Misc :  
ALS Vial : 89 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AY1

Manual Integrations  
APPROVED

mohammad  
12/11/2020 1:17:58 PM

Quant Time: Dec 10 01:14:45 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 10 00:40:41 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

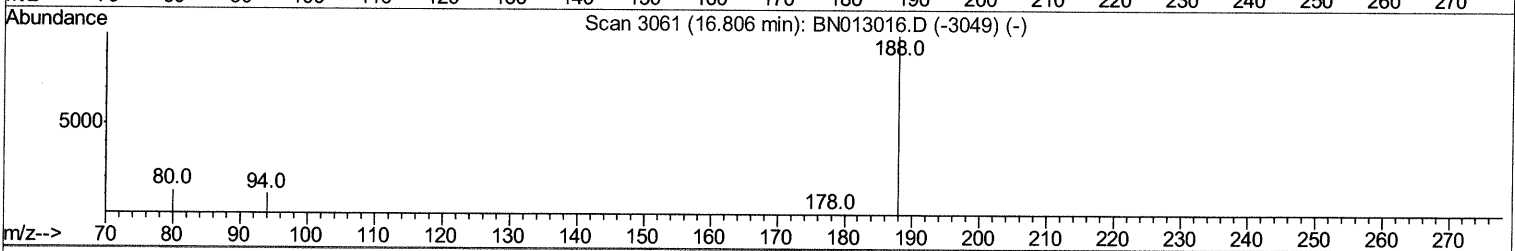
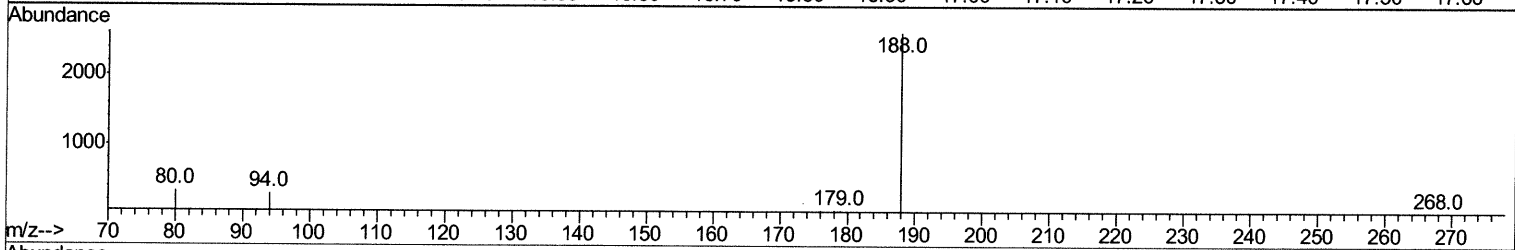
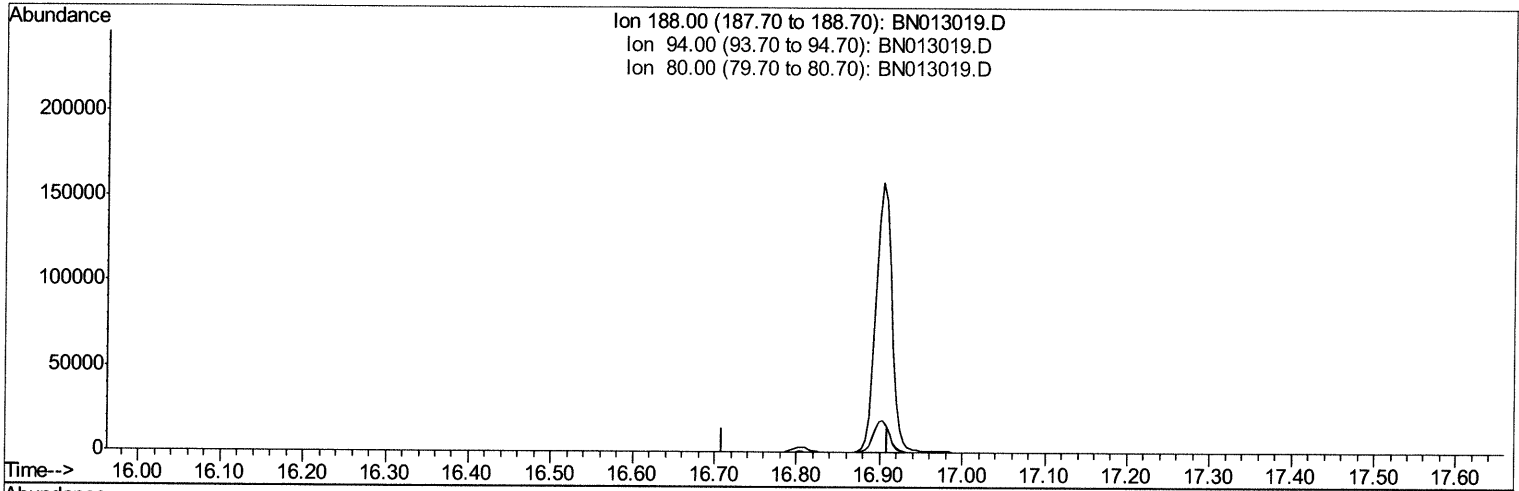
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN013019.D  
 Acq On : 09 Dec 2020 19:32  
 Operator : CG/JU  
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**Instrument :**  
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**Manual Integrations**  
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TIC: BN013019.D

(10) Phenanthrene-d10 (I)  
 16.810min (-16.810) 0.00ng/ul  
 response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 0.00  |
| 94.00  | 11.40 | 0.00# |
| 80.00  | 12.40 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

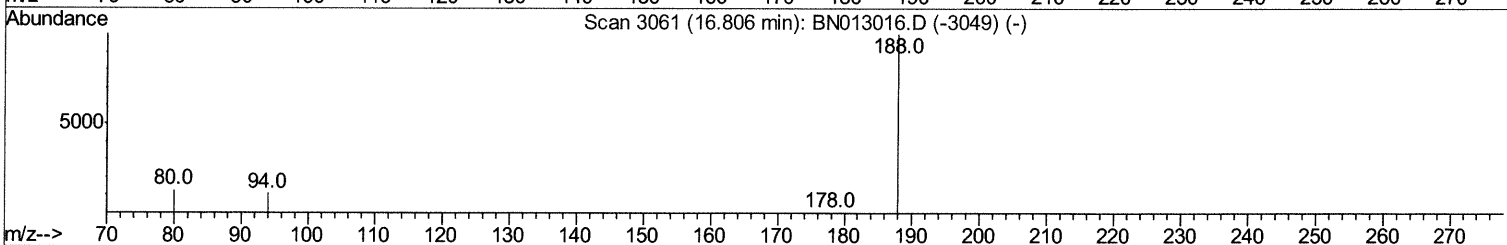
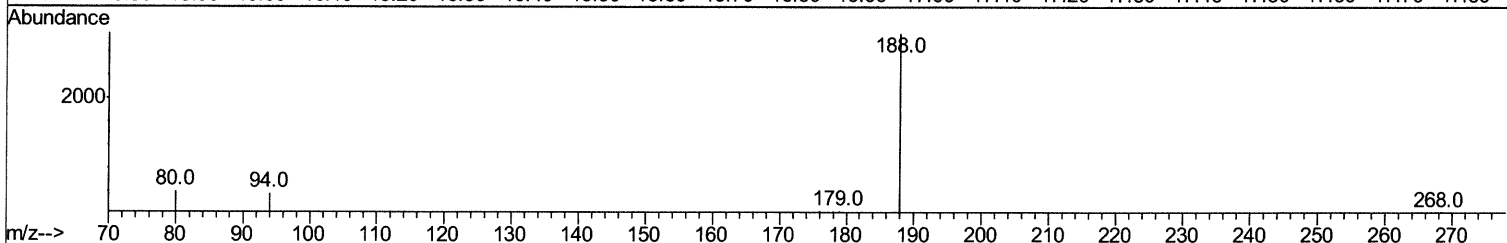
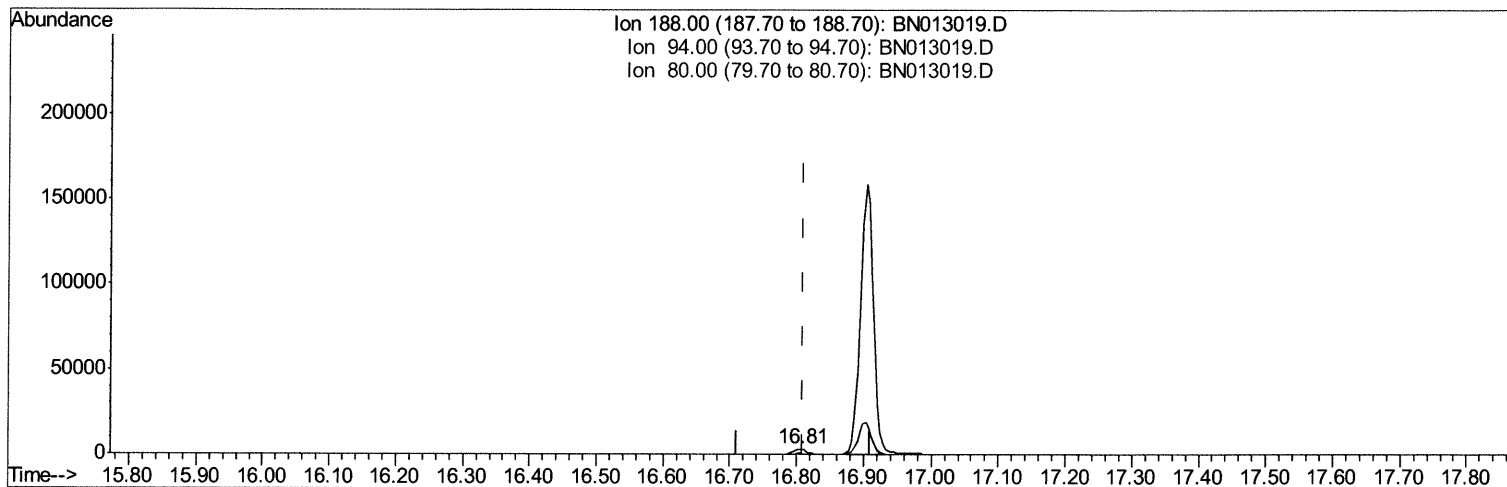
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN013019.D  
 Acq On : 09 Dec 2020 19:32  
 Operator : CG/JU  
 Sample : L4941-04  
 Misc :  
 ALS Vial : 89 Sample Multiplier: 1

Instrument :  
 BNA\_N  
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Manual Integrations  
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Quant Time: Dec 10 01:00:13 2020  
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TIC: BN013019.D

(10) Phenanthrene-d10 (I)

16.806min (-0.004) 0.40ng/ul m 12/14/20 JU

response 4121

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.40 | 11.72 |
| 80.00  | 12.40 | 13.26 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

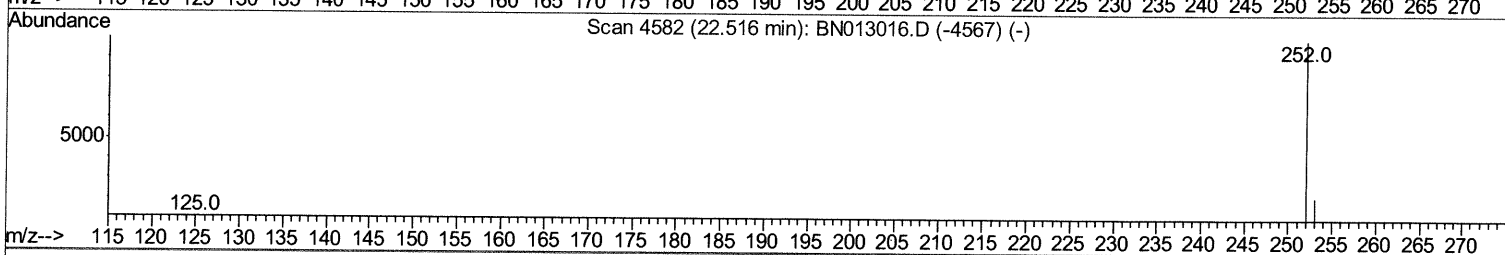
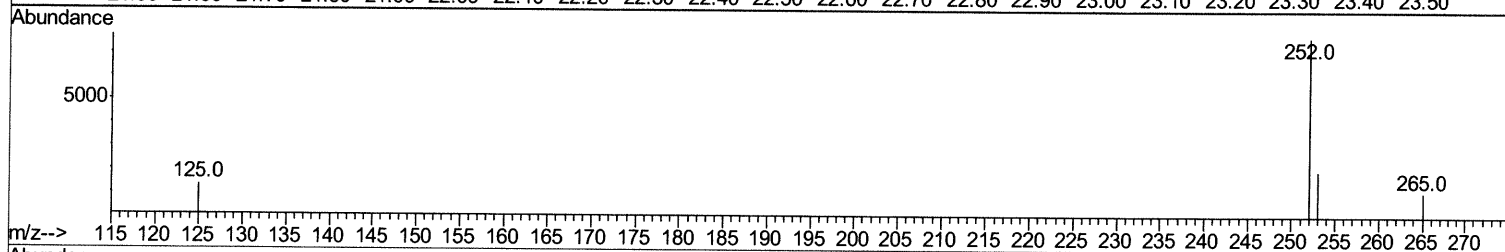
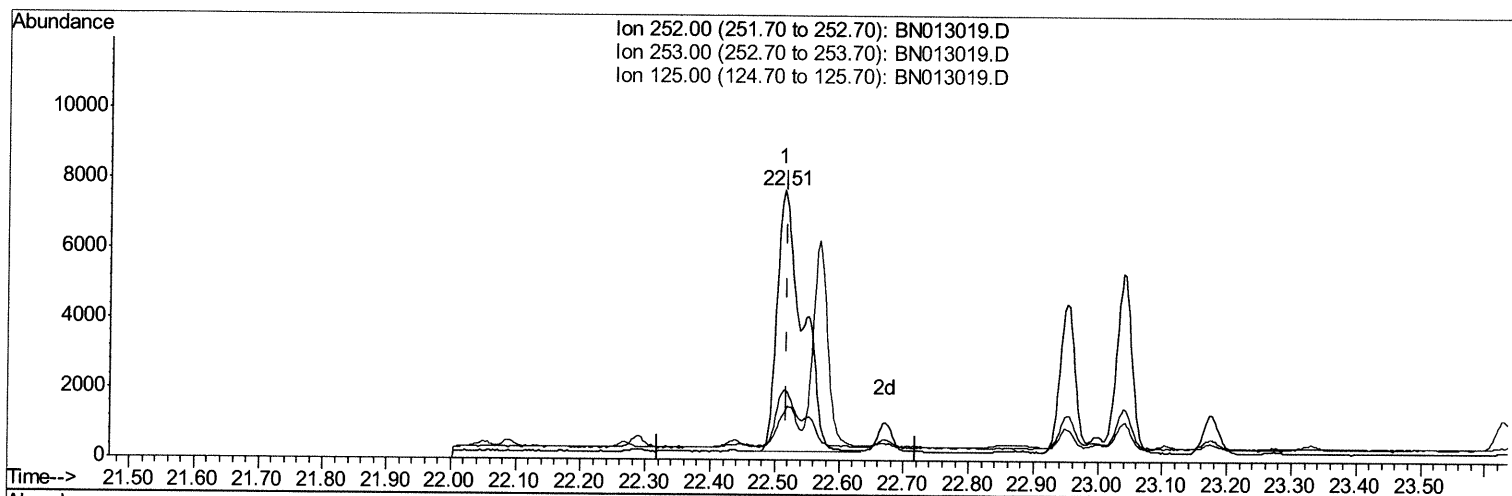
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN013019.D  
 Acq On : 09 Dec 2020 19:32  
 Operator : CG/JU  
 Sample : L4941-04  
 Misc :  
 ALS Vial : 89 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AY1

Manual Integrations  
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Quant Time: Dec 10 01:12:11 2020  
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TIC: BN013019.D

(21) Benzo(b)fluoranthene  
 22.513min (-0.006) 1.60ng/ul  
 response 20527

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.80 | 25.87 |
| 125.00 | 13.00 | 17.47 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

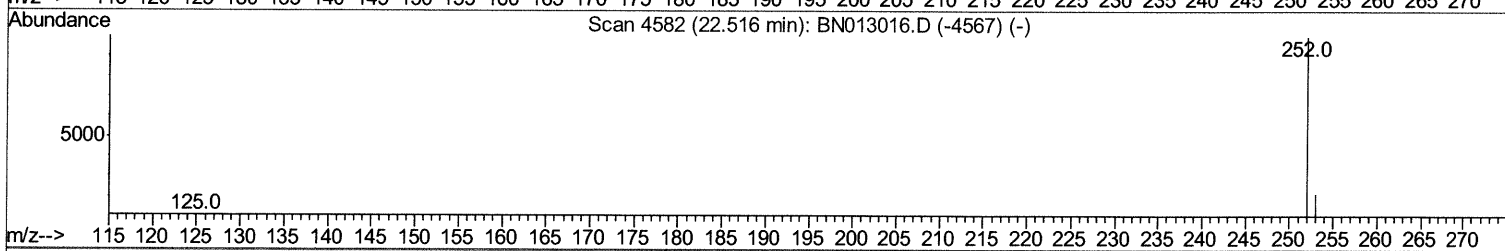
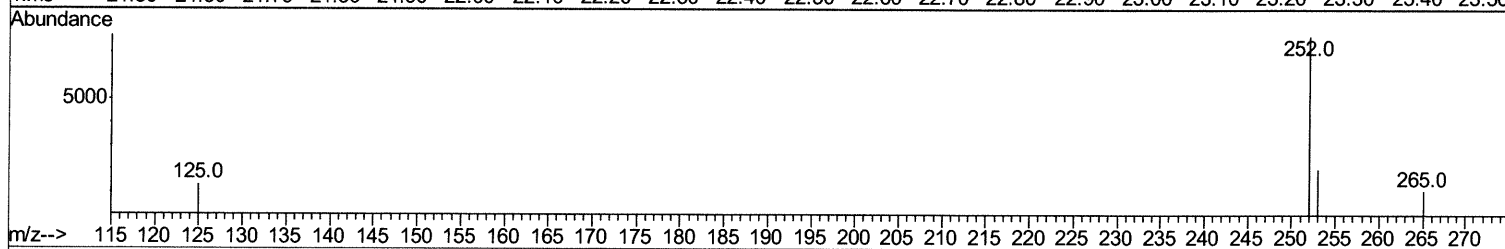
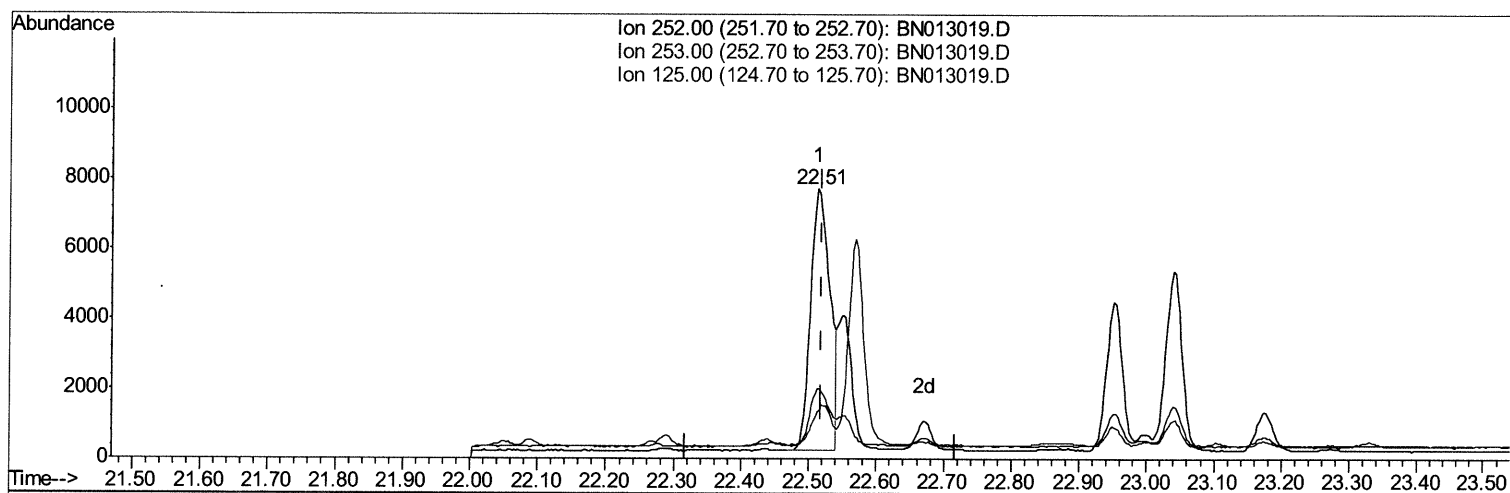
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
Data File : BN013019.D  
Acq On : 09 Dec 2020 19:32  
Operator : CG/JU  
Sample : L4941-04  
Misc :  
ALS Vial : 89 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AY1

Manual Integrations  
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Quant Time: Dec 10 01:12:11 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 10 00:40:41 2020  
Response via : Initial Calibration



TIC: BN013019.D

(21) Benzo(b)fluoranthene

22.513min (-0.006) 1.15ng/ul m 12/14/20 JU

response 14682

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 29.80 | 25.87 |
| 125.00 | 13.00 | 17.47 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

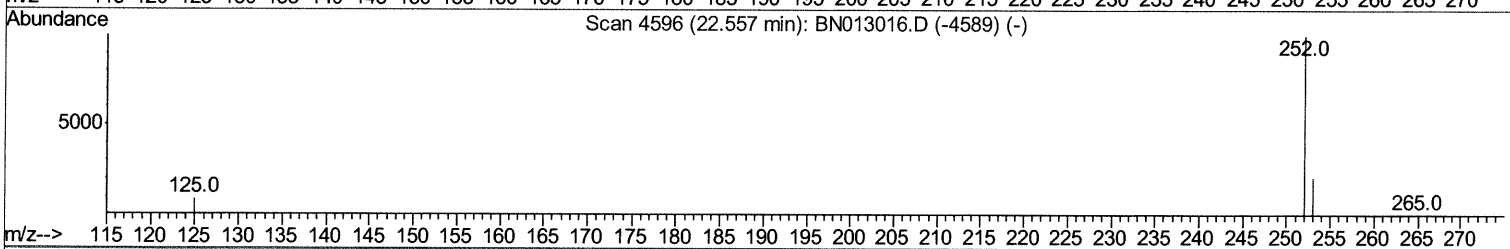
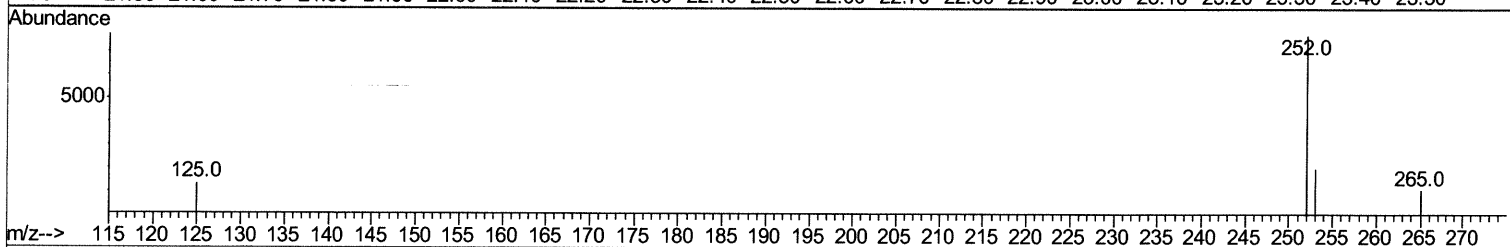
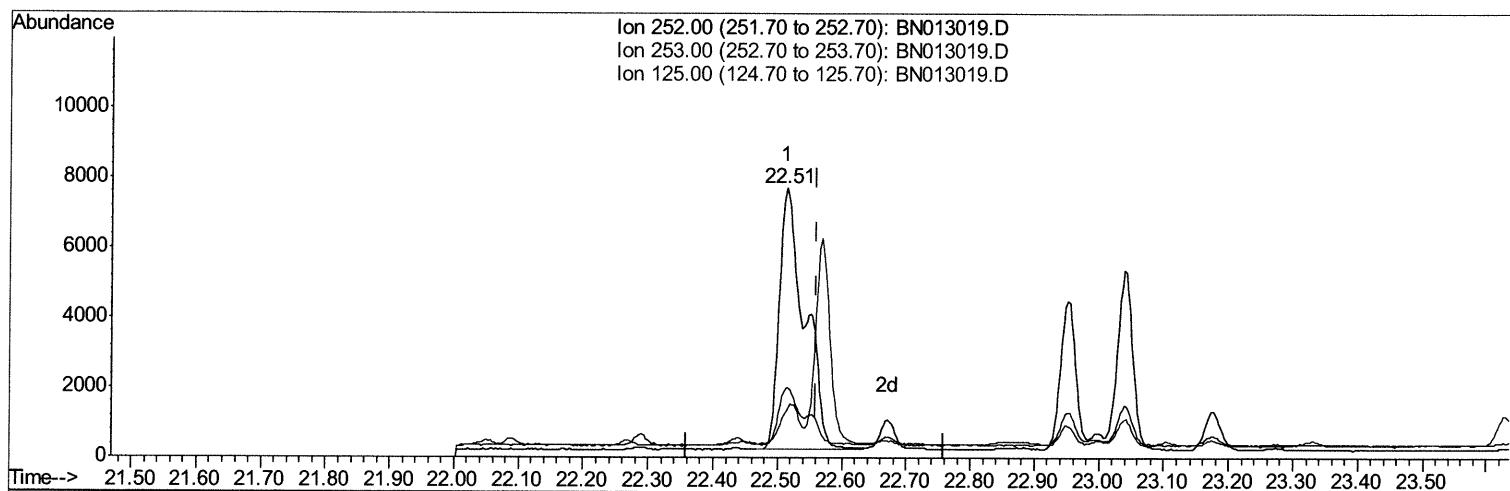
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
Data File : BN013019.D  
Acq On : 09 Dec 2020 19:32  
Operator : CG/JU  
Sample : L4941-04  
Misc :  
ALS Vial : 89 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0AY1

Manual Integrations  
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Quant Time: Dec 10 01:12:11 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 10 00:40:41 2020  
Response via : Initial Calibration



TIC: BN013019.D

(22) Benzo(k)fluoranthene

22.513min (-0.047) 1.45ng/ul

response 20527

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 29.30 | 25.87  |
| 125.00 | 13.90 | 17.47# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

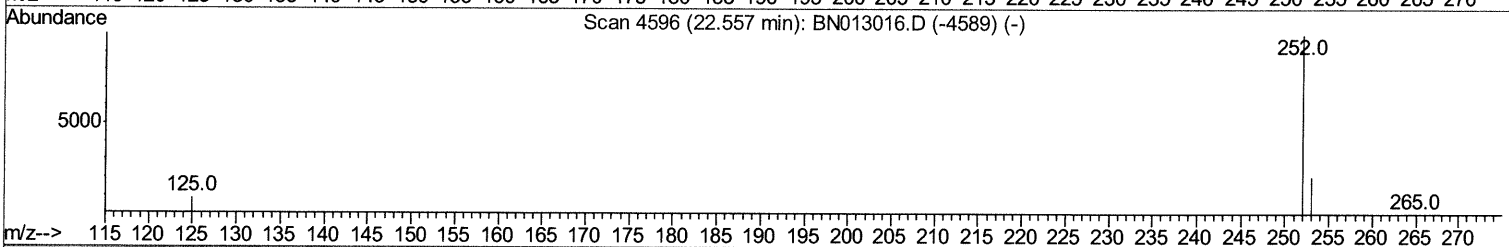
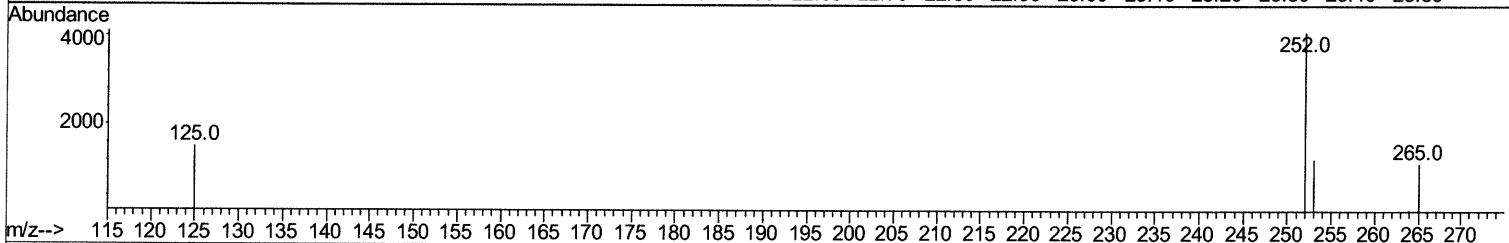
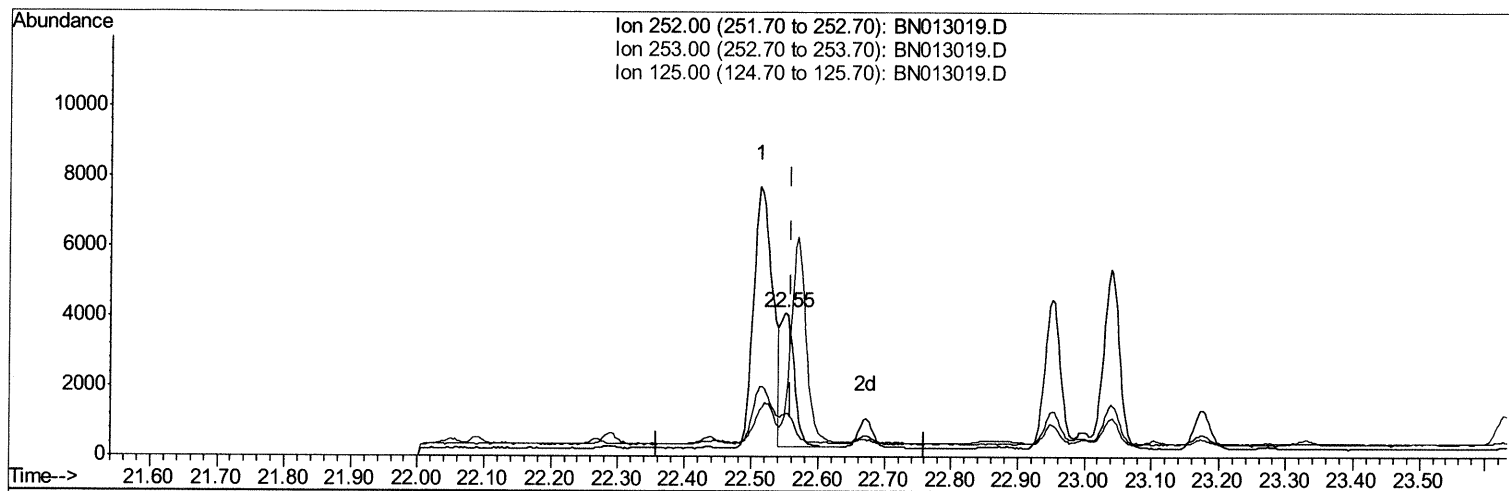
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN013019.D  
 Acq On : 09 Dec 2020 19:32  
 Operator : CG/JU  
 Sample : L4941-04  
 Misc :  
 ALS Vial : 89 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AY1

Manual Integrations  
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Quant Time: Dec 10 01:12:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration



TIC: BN013019.D

(22) Benzo(k)fluoranthene

22.551min (-0.009) 0.40ng/ul m 12/14/2020

response 5651

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 29.30 | 30.35  |
| 125.00 | 13.90 | 36.78# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\  
 Data File : BN013019.D  
 Acq On : 09 Dec 2020 19:32  
 Operator : CG/JU  
 Sample : L4941-04  
 Misc :  
 ALS Vial : 89 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AY1

Manual Integrations  
 APPROVED

mohammad  
 12/11/2020 1:17:58 PM

Quant Time: Dec 10 01:14:45 2020  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 881      | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.14 | 136  | 3524     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.05 | 164  | 2017     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.81 | 188  | 4121m    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.03 | 240  | 3041     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.13 | 264  | 2771     | 0.40 | ng/ul | 0.00     |

12/14/20 JU

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.75 | 152  | 1175     | 0.22 | ng/ul | -0.01    |
| 14) Fluoranthene-d10        | 18.85 | 212  | 2405     | 0.21 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.19 | 128  | 447      | 0.044 | ng/ul# | 77     |
| 5) 2-Methylnaphthalene     | 11.82 | 142  | 291      | 0.043 | ng/ul  | 99     |
| 7) Acenaphthylene          | 13.76 | 152  | 376      | 0.039 | ng/ul# | 70     |
| 8) Acenaphthene            | 14.11 | 153  | 180      | 0.023 | ng/ul# | 91     |
| 9) Fluorene                | 15.11 | 166  | 238      | 0.026 | ng/ul# | 90     |
| 12) Phenanthrene           | 16.84 | 178  | 6704     | 0.485 | ng/ul  | 99     |
| 13) Anthracene             | 16.94 | 178  | 764      | 0.065 | ng/ul# | 86     |
| 15) Fluoranthene           | 18.88 | 202  | 21174    | 1.290 | ng/ul  | 99     |
| 17) Pyrene                 | 19.25 | 202  | 18520    | 1.289 | ng/ul  | 99     |
| 18) Benzo(a)anthracene     | 21.01 | 228  | 7845     | 0.624 | ng/ul  | 100    |
| 19) Chrysene               | 21.07 | 228  | 11327    | 0.815 | ng/ul  | 99     |
| 21) Benzo(b)fluoranthene   | 22.51 | 252  | 14682m   | 1.145 | ng/ul  | 99     |
| 22) Benzo(k)fluoranthene   | 22.55 | 252  | 5651m    | 0.399 | ng/ul  | 99     |
| 23) Benzo(a)pyrene         | 23.04 | 252  | 8550     | 0.719 | ng/ul  | 92     |
| 24) Indeno(1,2,3-cd)pyrene | 25.18 | 276  | 6296     | 0.403 | ng/ul# | 100    |
| 25) Dibenzo(a,h)anthracene | 25.19 | 278  | 1492     | 0.121 | ng/ul# | 62     |
| 26) Benzo(a,h,i)perylene   | 25.82 | 276  | 5490     | 0.388 | ng/ul  | 96     |

12/14/20 JU

(#) = qualifier out of range (m) = manual integration (+) = signals summed